

Review #2

p 773-774

10.1 1-5 odd, 7-9

1. $r = 18 \text{ in}$

$d = 36 \text{ in}$

$C = 36\pi \text{ in}$

3. $C = 12\pi \text{ m}$

$r = 6 \text{ m}$

$d = 12 \text{ m}$

5. $d = 8.7 \text{ cm}$

$r = 4.35 \text{ cm}$

$C = 8.7\pi \text{ cm}$

7. $6^2 + 8^2 = d^2$

$36 + 64 =$

100

$10 = d$

$C = 10\pi \text{ in}$

8. $6 \quad 6 \quad 6\sqrt{2}$

$C = 6\pi\sqrt{2} \text{ cm}$

9. $12 \quad 12 \quad 12\sqrt{2}$

$C = 12\pi\sqrt{2} \text{ yd}$

10.2 1-12

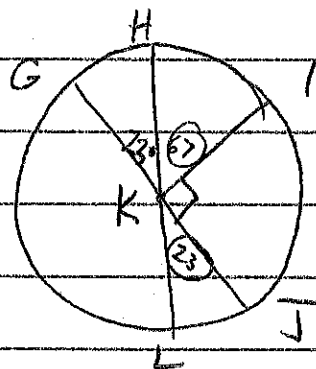
1. $m\angle GKI = 90^\circ$ $180 - 90$

2. $m\angle LKJ = 23^\circ$ (vertical)

3. $m\angle LKI = 113^\circ$ $90 + 23$

4. $m\angle LKG = 157^\circ$ $180 - 23$

5. $m\angle HKI = 67^\circ$ $90 - 23$ 6. $m\angle HKJ = 157^\circ$ $90 + 67$



7. $m\widehat{QR} = 90^\circ$

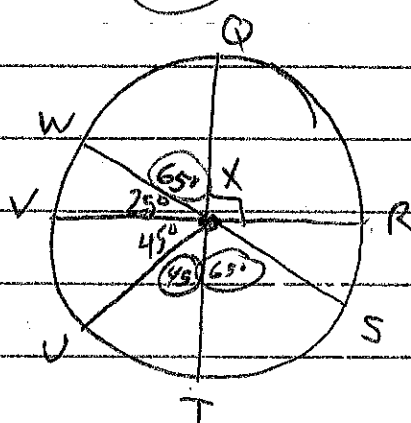
8. $m\widehat{QW} = 65^\circ$ $90 - 25$

9. $m\widehat{TV} = 45^\circ$ $90 - 45$

10. $m\widehat{WRV} = 335^\circ$ $360 - 25$

11. $m\widehat{SV} = 155^\circ$ $90 + 65$

12. $m\widehat{TRW} = 245^\circ$ $180 + 65$



10.3 1-12

1. $HR = 11$ $22 \div 2$

2. $RJ = 11$ $22 \div 2$

3. $LT = 9$ $18 \div 2$

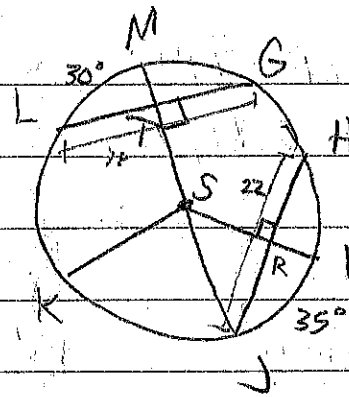
4. $TG = 9$

5. $m\widehat{HJ} = 70^\circ$ 35×2

6. $m\widehat{LG} = 60^\circ$ 30×2

7. $m\widehat{MG} = 30^\circ$

8. $m\widehat{HI} = 35^\circ$

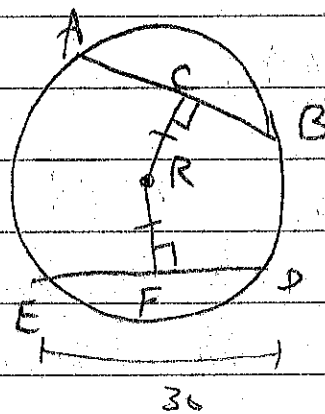


9. $AB = 30$ \cong chords

10. $EF = 15$ $30 \div 2$

11. $DF = 15$ $30 \div 2$

12. $BC = 15$ $30 \div 2$



Suppose $RF = 6$
What is the radius?

$$6^2 + 15^2 = r^2$$

$$36 + 225$$

$$261 = r^2$$

$$\sqrt{261} = r$$

$$\boxed{3\sqrt{29} = r}$$